

## Author Index, Volumes 37–40

- Abdel Raouf, M., *see* El-Din. Zain, A. et al.
- Adams, G.P., *see* Bo, G.A. et al.
- Ahmad, N. and D.E. Noakes  
A clinical and ultrasonographic study of induced testicular and epididymal lesions in goats and a ram. . . . . 39 (1995) 35
- Ahmed, M., *see* Boulanouar, B. et al.
- Aitken, R.P., *see* McEvoy, T.G. et al.
- Alarcon, V., *see* Bravo, P.W. et al.
- Alexander, B.M., W.J. Murdoch, D.M. Hallford and G.E. Moss  
Seasonal effects of antihistamine on mean serum concentrations of luteinizing hormone, growth hormone and prolactin in ovariectomized ewes . . . . . 37 (1994) 15
- Alexander, B.M., W.J. Murdoch, E.A. Van Kirk and G.E. Moss  
Attenuation of the estradiol-induced surge release of luteinizing hormone by antihistamine in ovariectomized ewes . . . . . 40 (1995) 281
- Anderson, D.L., *see* Anderson, G.B. et al.
- Anderson, G.B., D.L. Anderson, R.H. BonDurant, J.M. Cash, L.A. MacLaren, A.L. Moyer and M.C.T. Penedo  
Semen characteristics and production of germ cells in male sheep–goat chimeras. . . . . 40 (1995) 31
- Angulo, M.R.B., *see* Zarco, L. et al.
- Armstrong, D.T., *see* Xia, P. et al.
- Asher, G.W., H.N. Jabbour, J.G. Thompson, H.R. Tervit and C.J. Morrow  
Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation . . . . . 38 (1995) 137
- Asher, G.W., *see* Morrow, C.J. et al.
- Avery, B., *see* Schmidt, M. et al.
- Bariteau, F., *see* Martinat-Botté, F. et al.
- Barsness, B.D., *see* Musah, A.I. et al.
- Bekeova, E., M. Krajnicakova, V. Hendrichovsky and I. Maracek  
The effects of long-acting oxytocin, GnRH and FSH administration on thyroxin, triiodothyronin, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes. . . . . 37 (1995) 311
- Belibasaki, S., *see* Samartzi, F. et al.
- Bell, A.C.S., *see* Thompson, J.G. et al.
- Bell, A.C.S., *see* Thompson, J.G. et al.
- Bergfeld, E.G., F.N. Kojima, M.E. Wehrman, A.S. Cupp, K.E. Peters, V. Mariscal, T. Sanchez, R.J. Kittok, M. Garcia-Winder and J.E. Kinder  
Frequency of luteinizing hormone pulses and circulating 17 $\beta$ -oestradiol concentration in cows is related to concentration of progesterone in circulation when the progesterone comes from either an endogenous or exogenous source. . . . . 37 (1995) 257
- Bergfeld, E.G.M., R.J. Rasby, M.K. Nielsen and J.E. Kinder  
Heifers sired by bulls with either high or low expected progeny differences (EPDs) for marbling do not differ in age at puberty . . . . . 40 (1995) 253

- Beyers, M.M., *see* Janszen, B.P.M. et al.
- Bielanski, A. and C. Dubuc  
In vitro fertilization of ova from cows experimentally infected with a non-cytopathic strain of bovine viral diarrhoea virus . . . . . 38 (1995) 215
- Bielli, A., *see* Gastel, T. et al.
- Blanvillain, C., *see* Sempéré, A.J. et al.
- Bo, G.A., G.P. Adams, M. Caccia, M. Martinez, R.A. Pierson and R.J. Mapletoft  
Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle . . . . . 39 (1995) 193
- Bolet, G., *see* Fortun, L. et al.
- Bondioli, K.R., *see* Wilson, J.M. et al.
- BonDurant, R.H., *see* Anderson, G.B. et al.
- Booman, P., J.M. Schakenraad, R. Veerhuis, D.F.M. van de Wiel, W. Koops, M. Tieman and L. Kruijt  
Effects of anti-progesterone murine monoclonal antibodies on plasma progesterone concentrations and on anti-mouse reactions in cyclic pigs . . . . . 37 (1994) 51
- Bor, A., *see* Landau, S. et al.
- Boscós, C., *see* Samartzi, F. et al.
- Boscós, C., *see* Samartzi, F. et al.
- Boulanouar, B., M. Ahmed, T. Klopfenstein, D. Brink and J. Kinder  
Dietary protein or energy restriction influences age and weight at puberty in ewe lambs . . . . . 40 (1995) 229
- Bramley, T.A., *see* Pinto Andrade, L. et al.
- Branca, A., *see* Ledda, S. et al.
- Bravo, P.W., D. Pezo and V. Alarcon  
Evaluation of early reproductive performance in the postpartum alpaca by progesterone concentrations . . . . . 39 (1995) 71
- Brink, D., *see* Boulanouar, B. et al.
- Broadbent, P.J., *see* Kuran, M. et al.
- Broadbent, P.J., *see* Sawyer, G.J. et al.
- Brunet, A.G., A.L. Sebastian, R.A. Picazo, B. Cabellos and S. Goddard  
Reproductive response and LH secretion in ewes treated with melatonin implants and induced to ovulate with the ram effect. . . . . 39 (1995) 23
- Bulla, J., *see* Sirotkin, A.V. et al.
- Cabellos, B., *see* Brunet, A.G. et al.
- Caccia, M., *see* Bo, G.A. et al.
- Callesen, H., *see* Purwantara, B. et al.
- Cappai, P., *see* Ledda, S. et al.
- Cárdenas, H., *see* Pope, W.F. et al.
- Cash, J.M., *see* Anderson, G.B. et al.
- Castrillejo, A., *see* Gastel, T. et al.
- Cestnik, V., *see* Mutayoba, B.M. et al.
- Chagas, L.M., *see* Souza, C.J.H. et al.
- Chemineau, P., *see* Sempéré, A.J. et al.
- Chen, S.-W., Z.Y. Chen and P.J. Dziuk  
Determination of pregnancy and estimation of litter size in gilts based on concentration of estrone glucuronide and estradiol glucuronide in plasma . . . . . 40 (1995) 99
- Chen, Z.Y., *see* Chen, S.-W. et al.
- Chian, R.C., K. Okuda and K. Niwa  
Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation . . . . . 38 (1995) 37
- Chikuni, K., *see* Sathasivam, K. et al.
- Chirnside, J., *see* Lawrence, A.B. et al.
- Christenson, L.K. and S.P. Ford  
Comparison of PGF<sub>2</sub>  $\alpha$ -induced luteolysis in early pregnant and estrogen-treated 'pseudo-pregnant' gilts . . . . . 38 (1995) 239

- Ciereszko, A. and K. Dabrowski  
Spectrophotometric measurement of aspartate aminotransferase activity in mammalian and fish semen . . . . . 38 (1995) 167
- Cupp, A.S., T.T. Stumpf, F.N. Kojima, L.A. Werth, M.W. Wolfe, M.S. Roberson, R.J. Kittok and J.E. Kinder  
Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol . . . . . 37 (1995) 109
- Cupp, A.S., *see* Bergfeld, E.G. et al.
- Curry, Jr., T.E., *see* Raw, R.E. et al.
- Dabrowski, K., *see* Ciereszko, A. et al.
- Daels, P.F., H. Mohammed, S.M.E. Montavon, G.H. Stabenfeldt, J.P. Hughes, K. Odensvik and H. Kindahl  
Endogenous prostaglandin secretion during cloprostenol-induced abortion in mares . . . 40 (1995) 305
- Dalin, A.-M., *see* Hultén, F. et al.
- Dattena, M., *see* Ledda, S. et al.
- Deans, L., *see* Lawrence, A.B. et al.
- Death, A.F., *see* Knight, T.W. et al.
- Death, A.F., *see* Knight, T.W. et al.
- De'ath, G., *see* Rhodes, F.M. et al.
- De Kruif, A., *see* de Winter, P.J.J. et al.
- Devriese, L.A., *see* de Winter, P.J.J. et al.
- De Winter, P.J.J., M. Verdonck, A. de Kruif, L.A. Devriese and F. Haesebrouck  
Bacterial endometritis and vaginal discharge in the sow: prevalence of different bacterial species and experimental reproduction of the syndrome . . . . . 37 (1995) 325
- Dieleman, S.J., *see* Janszen, B.P.M. et al.
- Dietrich, E., M. Hennies, W. Holtz and J.K. Voglmayr  
Immunization of goats against recombinant human inhibin  $\alpha$ -subunit: Effects on inhibin binding, mating behaviour, ovarian activity and embryo yield . . . . . 39 (1995) 119
- Dippert, K.D., B.S. Ray and E.L. Squires  
Aspiration of the dominant follicle in mares and its effect on subsequent follicular development . . . . . 40 (1995) 77
- Diskin, M.G., *see* Staggs, K. et al.
- Dochi, O., K. Imai and H. Takakura  
Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol . . . . . 38 (1995) 179
- Dolman, D.F., *see* Sawyer, G.J. et al.
- Dubuc, C., *see* Bielanski, A. et al.
- Duchens, M., H. Kindahl, M. Forsberg, H. Gustafsson and H. Rodríguez-Martínez  
Influence of low plasma progesterone concentrations on the release of prostaglandin F<sub>2 $\alpha$</sub>  during luteolysis and oestrus in heifers . . . . . 40 (1995) 261
- Duchens, M., M. Forsberg, H. Gustafsson, L.-E. Edqvist and H. Rodríguez-Martínez  
Reproductive performance of heifers induced to oestrous asynchrony by suprabasal plasma progesterone levels. . . . . 39 (1995) 171
- Duchens, M., M. Maciel, H. Gustafsson, M. Forsberg, H. Rodríguez-Martínez and L.-E. Edqvist  
Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers. . . . . 37 (1995) 95
- Dufour, J.J., *see* Twagiramungu, H. et al.
- Duganzich, D.M., *see* Upreti, G.C. et al.
- Dziuk, P.J., *see* Chen, S.-W. et al.
- Dziuk, P.J., *see* Wu, M.C. et al.
- Easton, B.G., *see* Peltoniemi, O.A.T. et al.
- Eckersall, P.D., *see* Mutayoba, B.M. et al.
- Edqvist, L.-E., *see* Duchens, M. et al.
- Edqvist, L.-E., *see* Duchens, M. et al.

- Einarsson, S., *see* Hultén, F. et al.
- Einarsson, S., *see* Tsuma, V.T. et al.
- Eissa, H.M., *see* El-Belely, M.S. et al.
- El-Belely, M.S., H.M. Eissa, H.E. Omama and I.M. Ghoneim  
 Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestradiol-17 $\beta$ , androgens and oestrone sulphate in suboestrous buffalo cows treated with prostaglandin F<sub>2</sub>  $\alpha$ . . . . . 40 (1995) 7
- El-Din, Zain, A., T. Nakao, M. Abdel Raouf, M. Moriyoshi, K. Kawata and Y. Moritsu  
 Factors in the resumption of ovarian activity and uterine involution in postpartum dairy cows . . . . . 38 (1995) 203
- Elmleik, A.M.A., T. Maeda and T. Terada  
 Higher rates of development into blastocyst following the in vitro fertilization of bovine oocytes matured in a medium supplemented with the fluid from large bovine follicles . . 38 (1995) 285
- Enright, W.J., *see* Ronayne, E. et al.
- Enright, W.J., *see* Ronayne, E. et al.
- Entwistle, K.W., *see* Rhodes, F.M. et al.
- Evans, G., *see* Love, R.J. et al.
- Evans, G., *see* Peltoniemi, O.A.T. et al.
- Findlay, P.A., *see* McEvoy, T.G. et al.
- Fitko, R., J. Kucharski and B. Szlezzyngier  
 The importance of thyroid hormone in experimental ovarian cyst formation in gilts. . . . 39 (1995) 159
- Ford, S.P., *see* Christenson, L.K. et al.
- Forgerit, Y., *see* Martinat-Botté, F. et al.
- Forsberg, M., *see* Duchens, M. et al.
- Forsberg, M., *see* Duchens, M. et al.
- Forsberg, M., *see* Duchens, M. et al.
- Forsberg, M., *see* Gastel, T. et al.
- Forsling, M.L., *see* Lawrence, A.B. et al.
- Fortun, L., G. Bolet and F. Lebas  
 Influence of prolactin on foetal survival in rabbit does . . . . . 37 (1994) 75
- Franco, J., *see* Gastel, T. et al.
- Fray, M.D., *see* Mann, G.E. et al.
- Gallus, M., *see* Ledda, S. et al.
- Garcia-Winder, M., *see* Bergfeld, E.G. et al.
- Garverick, H.A., *see* Salfen, B.E. et al.
- Gastel, T., A. Bielli, R. Perez, A. Lopez, A. Castrillejo, R. Tagle, J. Franco, D. Laborde, M. Forsberg and H. Rodriguez-Martinez  
 Seasonal variations in testicular morphology in Uruguayan Corriedale rams. . . . . 40 (1995) 59
- Ghoneim, I.M., *see* El-Belely, M.S. et al.
- Gilbert, C.L., *see* Lawrence, A.B. et al.
- Goddard, P.J., *see* Pinto Andrade, L. et al.
- Goddard, S., *see* Brunet, A.G. et al.
- Göritz, F., *see* Jewgenow, K. et al.
- Goswami, S.L., *see* Ramesha, K.P. et al.
- Grealy, M., *see* Morris, D.G. et al.
- Greve, T., *see* Purwantara, B. et al.
- Greve, T., *see* Schmidt, M. et al.
- Grzegorzewski, W., *see* Stefanczyk-Krzyszowska, S. et al.
- Guilbault, L.A., *see* Twagiramungu, H. et al.
- Gustafsson, H., *see* Duchens, M. et al.
- Gustafsson, H., *see* Duchens, M. et al.
- Gustafsson, H., *see* Duchens, M. et al.
- Guzik, A. and H. Niemann  
 Superovulation and recovery of zygotes suitable for microinjection in different breeds of sheep . . . . . 40 (1995) 215



- Haesebrouck, F., *see* de Winter, P.J.J. et al.
- Hallford, D.M., *see* Alexander, B.M. et al.
- Harrison, L.A., *see* Mumford, E.L. et al.
- Hendrichovsky, V., *see* Bekeova, E. et al.
- Hennies, M., *see* Dietrich, E. et al.
- Holmes, P.H., *see* Mutayoba, B.M. et al.
- Holtz, W., *see* Dietrich, E. et al.
- Horta, A.E.M., *see* Vasques, M.I. et al.
- Hughes, J.P., *see* Daels, P.F. et al.
- Hughes, P.E., *see* Peacock, A.J. et al.
- Hughes, P.E., *see* Philip, G. et al.
- Hultén, F., A.-M. Dalin, N. Lundeheim and S. Einarsson  
Ovulation frequency among sows group-housed during late lactation . . . . . 39 (1995) 223
- Humblot, P., *see* Vasques, M.I. et al.
- Hunter, M.G. and H.M. Picton  
Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts . . . . . 38 (1995) 231
- Hutchinson, J.S.M., *see* Kuran, M. et al.
- Hyttel, P., *see* Schmidt, M. et al.
- Imai, K., *see* Dochi, O. et al.
- Jabbour, H.N., *see* Asher, G.W. et al.
- Janszen, B.P.M., M.M. Bevers, H.T.M. van Tol, S.J. Dieleman, G.C. van der Weijden and M.A.M. Taverne  
Oestrogen sulphatase activity in endometrium and foetal membranes of late gestational and parturient cows. . . . . 37 (1995) 251
- Jeffcoate, I.A., *see* Mutayoba, B.M. et al.
- Jewgenow, K. and F. Göritz  
The recovery of preantral follicles from ovaries of domestic cats and their characterisation before and after culture . . . . . 39 (1995) 285
- Jöchle, E., *see* Mumford, E.L. et al.
- Joseph, I.B.J.K., J.P. Ravindra and N.C. Rawlings  
Oestradiol and the preovulatory surges of luteinising hormone and follicle stimulating hormone in ewes during the breeding season and transition into anoestrus. . . . . 40 (1995) 291
- Kageyama, S., *see* Sathasivam, K. et al.
- Kalamarz, H., *see* Okrasa, S. et al.
- Kanagawa, H., *see* Ocampo, M.B. et al.
- Kawata, K., *see* El-Din. Zain, A. et al.
- Keiborz-Loos, K.R., *see* Salfen, B.E. et al.
- Keisler, D.H., *see* Salfen, B.E. et al.
- Kilgour, R.J. and M.R. Szantar-Coddington  
Arena behaviour of ewes selected for superior mothering ability differs from that of unselected ewes . . . . . 37 (1995) 133
- Kindahl, H., *see* Daels, P.F. et al.
- Kindahl, H., *see* Duchens, M. et al.
- Kinder, J., *see* Boulanouar, B. et al.
- Kinder, J.E., *see* Bergfeld, E.G. et al.
- Kinder, J.E., *see* Bergfeld, E.G.M. et al.
- Kinder, J.E., *see* Cupp, A.S. et al.
- Kittok, R.J., *see* Bergfeld, E.G. et al.
- Kittok, R.J., *see* Cupp, A.S. et al.
- Klopfenstein, T., *see* Boulanouar, B. et al.
- Klupiec, C., *see* Love, R.J. et al.
- Klupiec, C., *see* Peltoniemi, O.A.T. et al.
- Knight, T.W., A.F. Death and T.K. Wyeth  
Photoperiodic control of the time of parturition in alpacas (*Lama pacos*) . . . . . 39 (1995) 259

- Knight, T.W., M. Ridland, I. Scott, A.F. Death and T.K. Wyeth  
Foetal mortality at different stages of gestation in alpacas (*Lama pacos*) and the associated changes in progesterone concentrations . . . . . 40 (1995) 89
- Kojima, F.N., *see* Bergfeld, E.G. et al.
- Kojima, F.N., *see* Cupp, A.S. et al.
- Koops, W., *see* Booman, P. et al.
- Krajnicakova, M., *see* Bekeova, E. et al.
- Kruijt, L., *see* Booman, P. et al.
- Krzymowski, T., *see* Stefanczyk-Krzyszowska, S. et al.
- Kucharski, J., *see* Fitko, R. et al.
- Kuran, M., P.J. Broadbent and J.S.M. Hutchinson  
Follicle-stimulating hormone stimulated differentiation and progesterone production of bovine granulosa cells in culture . . . . . 39 (1995) 237
- Laborde, D., *see* Gastel, T. et al.
- Lacroix, A., *see* Sempéré, A.J. et al.
- Lamming, G.E., *see* Mann, G.E. et al.
- Landau, S., A. Bor, H. Leibovich, Z. Zoref, Z. Nitsan and Z. Madar  
The effect of ruminal starch degradability in the diet of Booroola crossbred ewes on induced ovulation rate and prolificacy . . . . . 38 (1995) 97
- Laurinçik, J., *see* Sirotkin, A.V. et al.
- Lawrence, A.B., J.C. Petherick, K.A. McLean, L. Deans, J. Chirnside, A. Vaughan, C.L. Gilbert, M.L. Forsling and J.A. Russell  
The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig . . . . . 38 (1995) 251
- Lebas, F., *see* Fortun, L. et al.
- Ledda, S., S. Naitana, P. Loi, M. Dattena, M. Gallus, A. Branca and P. Cappai  
Embryo recovery from superovulated mouflons (*Ovis gmelini musimon*) and viability after transfer into domestic sheep . . . . . 39 (1995) 109
- Leibovich, H., *see* Landau, S. et al.
- Leyva-Ocariz, H., C. Munro and G.H. Stabenfeldt  
Serum LH, FSH, estradiol-17 $\beta$  and progesterone profiles of native and crossbred goats in a tropical semiarid zone of Venezuela during the estrous cycle . . . . . 39 (1995) 49
- Liptrap, R.M., *see* Viveiros, M.M. et al.
- Littlejohn, R.P., *see* Pollard, J.C. et al.
- Loi, P., *see* Ledda, S. et al.
- Looney, C.R., *see* Wilson, J.M. et al.
- Lopez, A., *see* Gastel, T. et al.
- Love, R.J., C. Klupiec, E.J. Thornton and G. Evans  
An interaction between feeding rate and season affects fertility of sows . . . . . 39 (1995) 275
- Love, R.J., *see* Peltoniemi, O.A.T. et al.
- Lundeheim, N., *see* Hultén, F. et al.
- Lundeheim, N., *see* Tsuma, V.T. et al.
- Macar, C., *see* Martinat-Botté, F. et al.
- Maciel, M., *see* Duchens, M. et al.
- MacLaren, L.A., *see* Anderson, G.B. et al.
- Macmillan, K.L., *see* McDougall, S. et al.
- Macmillan, K.L., *see* Morrow, C.J. et al.
- Madar, Z., *see* Landau, S. et al.
- Madej, A., *see* Tsuma, V.T. et al.
- Maeda, T., *see* Elmileik, A.M.A. et al.
- Mann, G.E., G.E. Lamming and M.D. Fray  
Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin . . . . . 37 (1995) 121
- Mapletoft, R.J., *see* Bo, G.A. et al.
- Maracek, I., *see* Bekeova, E. et al.

- Mariscal, V., *see* Bergfeld, E.G. et al.
- Marques, C.C., *see* Vasques, M.I. et al.
- Martinat-Botté, F., F. Bariteau, Y. Forgerit, C. Macar, P. Poirier and M. Terqui  
Synchronization of oestrus in gilts with altrenogest: effects on ovulation rate and foetal survival . . . . . 39 (1995) 267
- Martinez, M., *see* Bo, G.A. et al.
- Mascarenhas, R., A. Simões Nunes and J. Robalo Silva  
Cyclic reproductive activity and efficiency of reproduction in Serrana goats . . . . . 38 (1995) 223
- Mauget, R., *see* Sempéré, A.J. et al.
- Maxwell, W.M.C., *see* Salamon, S. et al.
- Maxwell, W.M.C., *see* Salamon, S. et al.
- McCalla, D.F., *see* Wilson, J.M. et al.
- McClure, K.E., *see* Pope, W.F. et al.
- McDougall, S., N.B. Williamson and K.L. Macmillan  
GnRH induces ovulation of a dominant follicle in primiparous dairy cows undergoing anovulatory follicle turnover . . . . . 39 (1995) 205
- McEvoy, T.G., J.J. Robinson, R.P. Aitken, P.A. Findlay, R.M. Palmer and I.S. Robertson  
Dietary-induced suppression of pre-ovulatory progesterone concentrations in superovulated ewes impairs the subsequent in vivo and in vitro development of their ova . . . . . 39 (1995) 89
- McLean, K.A., *see* Lawrence, A.B. et al.
- McMillan, W.H., *see* Thompson, J.G. et al.
- McMillen, S.R., *see* Pinto Andrade, L. et al.
- Mohammed, H., *see* Daels, P.F. et al.
- Montavon, S.M.E., *see* Daels, P.F. et al.
- Moore, G.H., *see* Pollard, J.C. et al.
- Moraes, J.C.F., *see* Souza, C.J.H. et al.
- Mori, T., *see* Ocampo, M.B. et al.
- Moritsu, Y., *see* El-Din. Zain, A. et al.
- Moriyoshi, M., *see* El-Din. Zain, A. et al.
- Morris, D.G., M. Grealy and J.M. Sreenan  
Effect of immunization against synthetic peptide sequences of bovine inhibin  $\alpha$ -subunit on gonadotrophin concentrations in heifers . . . . . 38 (1995) 63
- Morrow, C.J., G.W. Asher and K.L. Macmillan  
Oestrous synchronisation in farmed fallow deer (*Dama dama*): effects of season, treatment duration and the male on the efficacy of the intravaginal CIDR device . . . . . 37 (1995) 159
- Morrow, C.J., *see* Asher, G.W. et al.
- Moss, G.E., *see* Alexander, B.M. et al.
- Moss, G.E., *see* Alexander, B.M. et al.
- Moyer, A.L., *see* Anderson, G.B. et al.
- Mumford, E.L., E.L. Squires, E. Jöchle, L.A. Harrison, T.M. Nett and T.E. Trigg  
Use of deslorelin short-term implants to induce ovulation in cycling mares during three consecutive estrous cycles . . . . . 39 (1995) 129
- Munday, R., *see* Upreti, G.C. et al.
- Munro, C., *see* Leyva-Ocariz, H. et al.
- Murdoch, W.J., *see* Alexander, B.M. et al.
- Murdoch, W.J., *see* Alexander, B.M. et al.
- Musah, A.I., B.D. Barsness and G.D. Schrank  
Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells . . . . . 40 (1995) 239
- Mutayoba, B.M., P.D. Eckersall, I.A. Jeffcoate, V. Cestnik, P.H. Holmes and S.W.J. Reid  
Alterations in plasma luteinising hormone and testosterone concentrations and responses to injection of gonadotrophin-releasing hormone in sheep infected with *Trypanosoma congolense* . . . . . 40 (1995) 203
- Naitana, S., *see* Ledda, S. et al.
- Nakao, T., *see* El-Din. Zain, A. et al.

- Nett, T.M., *see* Mumford, E.L. et al.  
 Nielsen, M.K., *see* Bergfeld, E.G.M. et al.  
 Niemann, H., *see* Guzik, A. et al.  
 Nitray, J., *see* Sirotkin, A.V. et al.  
 Nitsan, Z., *see* Landau, S. et al.  
 Niwa, K., *see* Chian, R.C. et al.  
 Noakes, D.E., *see* Ahmad, N. et al.  
 Notarianni, E., *see* Sathasivam, K. et al.  
 Ocampo, L.C., *see* Ocampo, M.B. et al.  
 Ocampo, M.B., L.C. Ocampo, T. Mori, J. Ueda, H. Shimizu and H. Kanagawa  
     Blastocyst formation of pig embryos derived from in vitro fertilization of in vitro  
     matured pig oocytes in the amniotic fluid of a developing chick embryo . . . . . 37 (1994) 65  
 Odensvik, K., *see* Daels, P.F. et al.  
 Okrasa, S., H. Kalamarz and A.J. Ziecik  
     Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of  
     cyclic and ovariectomized gilts in response to naloxone or morphine . . . . . 40 (1995) 151  
 Okuda, K., *see* Chian, R.C. et al.  
 Oliver, J.E., *see* Upreti, G.C. et al.  
 Omaima, H.E., *see* El-Beley, M.S. et al.  
 Palmer, R.M., *see* McEvoy, T.G. et al.  
 Peacock, A.J. and P.E. Hughes  
     The effects of daily exposure to oestrous or anoestrous gilts and sows on the attainment  
     of puberty in the gilt . . . . . 40 (1995) 135  
 Peltoniemi, O.A.T., B.G. Easton, R.J. Love, C. Klupiec and G. Evans  
     Effect of chronic treatment with a GnRH agonist (Goserelin) on LH secretion and early  
     pregnancy in gilts . . . . . 40 (1995) 121  
 Penedo, M.C.T., *see* Anderson, G.B. et al.  
 Perez, R., *see* Gastel, T. et al.  
 Peters, K.E., *see* Bergfeld, E.G. et al.  
 Peterson, A.J., *see* Thompson, J.G. et al.  
 Petherick, J.C., *see* Lawrence, A.B. et al.  
 Pezo, D., *see* Bravo, P.W. et al.  
 Philip, G. and P.E. Hughes  
     The effects of contact frequency and season on the efficacy of the boar effect . . . . . 40 (1995) 143  
 Picazo, R.A., *see* Brunet, A.G. et al.  
 Picton, H.M., *see* Hunter, M.G. et al.  
 Pierson, R.A., *see* Bo, G.A. et al.  
 Pinto Andrade, L., S.M. Rhind, I.A. Wright, S.R. McMillen, P.J. Goddard and T.A.  
     Bramley  
     Effects of infusion of GnRH pulses and level of body condition on ovarian function in  
     postpartum beef cows . . . . . 40 (1995) 177  
 Poirier, P., *see* Martinat-Botté, F. et al.  
 Pollard, J.C., R.P. Littlejohn and G.H. Moore  
     Seasonal and other factors affecting the sexual behaviour of alpacas . . . . . 37 (1995) 348  
 Pope, W.F., H. Cárdenas, T.M. Wiley and K.E. McClure  
     Dose-response relationships of exogenous progesterone shortly after ovulation on  
     estrous cycle length, blastocyst development and fertility in sheep . . . . . 38 (1995) 109  
 Proulx, J.G., *see* Twagiramungu, H. et al.  
 Purwantara, B., H. Callesen and T. Greve  
     Characteristics of ovulations in superovulated cattle . . . . . 37 (1994) 1  
 Quirke, J.F., *see* Ronayne, E. et al.  
 Ramesha, K.P. and S.L. Goswami  
     Sperm chromosome analysis of Karan Swiss and Karan Fries crossbred bulls . . . . . 37 (1995) 291  
 Ramkumar, R., *see* Twagiramungu, H. et al.  
 Rasby, R.J., *see* Bergfeld, E.G.M. et al.



- Ravindra, J.P., *see* Joseph, I.B.J.K. et al.
- Raw, R.E., W.J. Silvia and T.E. Curry, Jr.  
Effects of progesterone and estradiol on prostaglandin endoperoxide synthase in ovine endometrial tissue . . . . . 40 (1995) 17
- Rawlings, N.C., *see* Joseph, I.B.J.K. et al.
- Ray, B.S., *see* Dippert, K.D. et al.
- Rebollar, P.G., *see* Ubilla, E. et al.
- Reid, S.W.J., *see* Mutayoba, B.M. et al.
- Restall, B.J., H. Restall and S.W. Walkden-Brown  
The induction of ovulation in anovulatory goats by oestrous females . . . . . 40 (1995) 299
- Restall, H., *see* Restall, B.J. et al.
- Rhind, S.M., *see* Pinto Andrade, L. et al.
- Rhodes, F.M., G. De'ath and K.W. Entwistle  
Animal and temporal effects on ovarian follicular dynamics in Brahman heifers . . . . . 38 (1995) 265
- Richards, M.W., L.J. Spicer and R.P. Wettemann  
Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone . . . . . 37 (1995) 267
- Ridland, M., *see* Knight, T.W. et al.
- Rigau, T., *see* Rodríguez-Gil, J.E. et al.
- Robalo Silva, J., *see* Mascarenhas, R. et al.
- Roberson, M.S., *see* Cupp, A.S. et al.
- Robertson, I.S., *see* McEvoy, T.G. et al.
- Robinson, J.J., *see* McEvoy, T.G. et al.
- Roche, J.F., *see* Ronayne, E. et al.
- Roche, J.F., *see* Ronayne, E. et al.
- Roche, J.F., *see* Stagg, K. et al.
- Rodríguez, E.F., *see* Zarco, L. et al.
- Rodríguez-Gil, J.E. and T. Rigau  
Effects of slight agitation on the quality of refrigerated boar sperm . . . . . 39 (1995) 141
- Rodríguez-Martínez, H., *see* Duchens, M. et al.
- Rodríguez-Martínez, H., *see* Gastel, T. et al.
- Rodríguez, R.O.L. and C.V.M. Segura  
Effect of once-daily suckling on postpartum reproduction in zebu-cross cows in the tropics . . . . . 40 (1995) 1
- Ronayne, E., W.J. Enright, J.D. Savio and J.F. Roche  
Effects of active immunization of prepubertal heifers against prostaglandin  $F_{2\alpha}$  on the onset of puberty and subsequent ovarian function. . . . . 38 (1995) 305
- Ronayne, E., W.J. Enright, J.F. Quirke and J.F. Roche  
Active immunization of post-pubertal heifers against prostaglandin  $F_{2\alpha}$  to suppress oestrous behaviour: effect of adjuvant and dose of immunogen . . . . . 38 (1995) 291
- Russell, J.A., *see* Lawrence, A.B. et al.
- Rutledge, J., *see* Xia, P. et al.
- Salamon, S. and W.M.C. Maxwell  
Frozen storage of ram semen I. Processing, freezing, thawing and fertility after cervical insemination . . . . . 37 (1995) 185
- Salamon, S. and W.M.C. Maxwell  
Frozen storage of ram semen II. Causes of low fertility after cervical insemination and methods of improvement. . . . . 38 (1995) 1
- Salfen, B.E., D.H. Keisler, M.F. Smith, W.G. Zollers Jr., K.R. Keiborz-Loos and H.A. Garverick  
Effect of intrauterine infusion of recombinant bovine interferon  $\alpha_1$  on luteal phase duration and oxytocin-induced release of 13,14-dihydro-15-keto-prostaglandin  $F_{2\alpha}$  in postpartum beef cows . . . . . 40 (1995) 193

- Samartzi, F., C. Boscós, E. Vainas and P. Tsakalof  
Superovulatory response of Chios sheep to PMSG during spring and autumn . . . . . 39 (1995) 215
- Samartzi, F., S. Belibasaki, E. Vainas and C. Boscós  
Plasma progesterone concentration in relation to ovulation rate and embryo yield in Chios ewes superovulated with PMSG . . . . . 39 (1995) 11
- Sanchez, T., *see* Bergfeld, E.G. et al.
- Sasser, R.G., *see* Vasques, M.I. et al.
- Sathasivam, K., S. Kageyama, K. Chikuni and E. Notarianni  
Sex determination in the domestic pig by DNA amplification using the HMG-box sequence . . . . . 38 (1995) 321
- Savio, J.D., *see* Ronayne, E. et al.
- Sawyer, G.J., P.J. Broadbent and D.F. Dolman  
Ultrasound-monitored ovarian responses in normal and superovulated cattle given exogenous progesterone at different stages of the oestrous cycle . . . . . 38 (1995) 187
- Schakenraad, J.M., *see* Booman, P. et al.
- Schmidt, M., P. Hyttel, B. Avery and T. Greve  
Ultrastructure of in vitro matured bovine oocytes after controlled freezing in 10% glycerol . . . . . 37 (1995) 281
- Schrank, G.D., *see* Musah, A.I. et al.
- Scott, I., *see* Knight, T.W. et al.
- Sebastian, A.L., *see* Brunet, A.G. et al.
- Segura, C.V.M., *see* Rodríguez, R.O.L. et al.
- Sempéré, A.J., C. Blanvillain, R. Mauget, A. Lacroix and P. Chemineau  
Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (*Capreolus capreolus* L.). . . . . 38 (1995) 127
- Shannon, P. and R. Vishwanath  
The effect of optimal and suboptimal concentrations of sperm on the fertility of fresh and frozen bovine semen and a theoretical model to explain the fertility differences . . . 39 (1995) 1
- Shimizu, H., *see* Ocampo, M.B. et al.
- Silvia, W.J., *see* Raw, R.E. et al.
- Simões Nunes, A., *see* Mascarenhas, R. et al.
- Sirotkin, A.V., J. Nitray, L.W. Tarasenko, P. Uhrin, J. Laurinçik and J. Bulla  
Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells . . . . . 39 (1995) 81
- Skipor, J., *see* Stefanczyk-Krzymowska, S. et al.
- Smart, D.  
Adrenocorticotrophin (ACTH) 1-39 and corticotrophin releasing hormone (CRH) induced changes in luteinizing hormone secretion from perfused ovine pituitaries . . . . . 37 (1994) 25
- Smith, J.F., *see* Upreti, G.C. et al.
- Smith, M.F., *see* Salfen, B.E. et al.
- Souza, C.J.H., J.C.F. Moraes and L.M. Chagas  
Effect of the Booroola gene on time of ovulation and ovulatory dynamics. . . . . 37 (1994) 7
- Spicer, L.J., *see* Richards, M.W. et al.
- Squires, E.L., *see* Dippert, K.D. et al.
- Squires, E.L., *see* Mumford, E.L. et al.
- Sreenan, J.M., *see* Morris, D.G. et al.
- Sreenan, J.M., *see* Stagg, K. et al.
- Stabenfeldt, G.H., *see* Daels, P.F. et al.
- Stabenfeldt, G.H., *see* Leyva-Ocariz, H. et al.
- Stagg, K., M.G. Diskin, J.M. Sreenan and J.F. Roche  
Follicular development in long-term anoestrous suckler beef cows fed two levels of energy postpartum . . . . . 38 (1995) 49
- Stefanczyk-Krzymowska, S., J. Skipor, W. Grzegorzewski, B. Wasowska and T. Krzymowski

- Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts. . . . . 37 (1994) 35
- Sterning, M.
  - Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms. . . . . 40 (1995) 165
- Stumpf, T.T., *see* Cupp, A.S. et al.
- Szafranska, B. and J.E. Tilton
  - Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt . . . 39 (1995) 59
- Szafranska, B., R.M. Weigl and J.E. Tilton
  - Short-term stimulation of luteinizing hormone (LH) secretion by naloxone treatment in the pregnant gilt . . . . . 37 (1994) 43
- Szantar-Coddington, M.R., *see* Kilgour, R.J. et al.
- Szlezzyngier, B., *see* Fitko, R. et al.
- Tagle, R., *see* Gastel, T. et al.
- Takakura, H., *see* Dochi, O. et al.
- Tarasenko, L.W., *see* Sirotkin, A.V. et al.
- Taverne, M.A.M., *see* Janszen, B.P.M. et al.
- Terada, T., *see* Elmileik, A.M.A. et al.
- Terqui, M., *see* Martinat-Botté, F. et al.
- Tervit, H.R., *see* Asher, G.W. et al.
- Tervit, H.R., *see* Thompson, J.G. et al.
- Tervit, H.R., *see* Thompson, J.G. et al.
- Thompson, J.G., A.C.S. Bell and H.R. Tervit
  - Partitioning of glucose carbon in post-compaction ovine embryos . . . . . 38 (1995) 119
- Thompson, J.G., A.C.S. Bell, W.H. McMillan, A.J. Peterson and H.R. Tervit
  - Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos . . . . . 40 (1995) 269
- Thompson, J.G., *see* Asher, G.W. et al.
- Thornton, E.J., *see* Love, R.J. et al.
- Thwaites, C.J.
  - The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram. . . . . 37 (1995) 299
- Tieman, M., *see* Booman, P. et al.
- Tilton, J.E., *see* Szafranska, B. et al.
- Tilton, J.E., *see* Szafranska, B. et al.
- Trigg, T.E., *see* Mumford, E.L. et al.
- Tsakalof, P., *see* Samartzi, F. et al.
- Tsuma, V.T., S. Einarsson, A. Madej and N. Lundeheim
  - Cortisol and  $\beta$ -endorphin levels in peripheral circulation around weaning in primiparous sows . . . . . 37 (1995) 175
- Twagiramungu, H., L.A. Guilbault, J.G. Proulx, R. Ramkumar and J.J. Dufour
  - Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows . . . . . 39 (1995) 183
- Ubilla, E. and P.G. Rebollar
  - Influence of the postpartum day on plasma, estradiol-17 $\beta$  levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits . . . . . 38 (1995) 331
- Ueda, J., *see* Ocampo, M.B. et al.
- Uhrin, P., *see* Sirotkin, A.V. et al.
- Upreti, G.C., J.E. Oliver, D.M. Duganzich, R. Munday and J.F. Smith
  - Development of a chemically defined ram semen diluent (RSD-1). . . . . 37 (1995) 143
- Vainas, E., *see* Samartzi, F. et al.
- Vainas, E., *see* Samartzi, F. et al.
- Valencia, J., *see* Zarco, L. et al.
- Van der Weijden, G.C., *see* Janszen, B.P.M. et al.
- Van de Wiel, D.F.M., *see* Booman, P. et al.

- Van Kirk, E.A., *see* Alexander, B.M. et al.
- Van Tol, H.T.M., *see* Janszen, B.P.M. et al.
- Vasques, M.I., A.E.M. Horta, C.C. Marques, R.G. Sasser and P. Humblot  
Levels of bPSPB throughout single and twin pregnancies after AI or transfer of  
IVM/IVF cattle embryos . . . . . 38 (1995) 279
- Vaughan, A., *see* Lawrence, A.B. et al.
- Veerhuis, R., *see* Booman, P. et al.
- Verdonck, M., *see* de Winter, P.J.J. et al.
- Vishwanath, R., *see* Shannon, P. et al.
- Viveiros, M.M. and R.M. Liptrap  
Altered ovarian follicle function in ACTH-treated gilts . . . . . 40 (1995) 107
- Voglmayr, J.K., *see* Dietrich, E. et al.
- Walkden-Brown, S.W., *see* Restall, B.J. et al.
- Wasowska, B., *see* Stefanczyk-Krzyszowska, S. et al.
- Wehrman, M.E., *see* Bergfeld, E.G. et al.
- Weigl, R.M., *see* Szafranska, B. et al.
- Werth, L.A., *see* Cupp, A.S. et al.
- Westhusin, M.E., *see* Wilson, J.M. et al.
- Wettemann, R.P., *see* Richards, M.W. et al.
- Wheeler, M.B., *see* White, B.R. et al.
- White, B.R. and M.B. Wheeler  
Examination of ovulation rate, uterine and fetal interactions, and reproductive age in  
Chinese Meishan, Yorkshire, and reciprocal cross gilts: effects of fetal and maternal  
genotypes . . . . . 39 (1995) 147
- White, I.G., *see* Windsor, D.P. et al.
- Wiley, T.M., *see* Pope, W.F. et al.
- Williams, J.D., *see* Wilson, J.M. et al.
- Williamson, N.B., *see* McDougall, S. et al.
- Wilson, J.M., J.D. Williams, K.R. Bondioli, C.R. Looney, M.E. Westhusin and D.F.  
McCalla  
Comparison of birth weight and growth characteristics of bovine calves produced by  
nuclear transfer (cloning), embryo transfer and natural mating . . . . . 38 (1995) 73
- Windsor, D.P. and I.G. White  
Mitochondrial injury to ram sperm during procedures associated with artificial insemina-  
tion or frozen storage . . . . . 40 (1994) 43
- Wolfe, M.W., *see* Cupp, A.S. et al.
- Wright, I.A., *see* Pinto Andrade, L. et al.
- Wu, M.C. and P.J. Dziuk  
Relationship of length of uterus in prepubertal pigs and number of corpora lutea and  
fetuses at 30 days of gestation . . . . . 38 (1995) 327
- Wyeth, T.K., *see* Knight, T.W. et al.
- Wyeth, T.K., *see* Knight, T.W. et al.
- Xia, P., J. Rutledge and D.T. Armstrong  
Expression of glycine cleavage system and effect of glycine on in vitro maturation,  
fertilization and early embryonic development in pigs . . . . . 38 (1995) 155
- Zarco, L., E.F. Rodríguez, M.R.B. Angulo and J. Valencia  
Female to female stimulation of ovarian activity in the ewe . . . . . 39 (1995) 251
- Ziecik, A.J. and A. Zieminska  
Effect of transport stress and hydrocortisone on the oestrogen-induced luteinizing  
hormone surge in pigs . . . . . 37 (1995) 337
- Ziecik, A.J., *see* Okrasa, S. et al.
- Zieminska, A., *see* Ziecik, A.J. et al.
- Zollers Jr., W.G., *see* Salfen, B.E. et al.
- Zoref, Z., *see* Landau, S. et al.



## Subject Index, Volumes 37–40

### Abortion

Endogenous prostaglandin secretion during cloprostenol-induced abortion in mares, 40 (1995) 305

### Adenohypophyseal cells

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

### Adrenocorticotrophin

Adrenocorticotrophin (ACTH) 1–39 and corticotrophin releasing hormone (CRH) induced changes in luteinizing hormone secretion from perfused ovine pituitaries, 37 (1994) 25

### Agitation

Effects of slight agitation on the quality of refrigerated boar sperm, 39 (1995) 141

### Alpacas

Seasonal and other factors affecting the sexual behaviour of alpacas, 37 (1995) 348

Evaluation of early reproductive performance in the postpartum alpaca by progesterone concentrations, 39 (1995) 71

Photoperiodic control of the time of parturition in alpacas (*Lama pacos*), 39 (1995) 259

Foetal mortality at different stages of gestation in alpacas (*Lama pacos*) and the associated changes in progesterone concentrations, 40 (1995) 89

### Altrenogest

Synchronization of oestrus in gilts with altrenogest: effects on ovulation rate and foetal survival, 39 (1995) 267

### Anaesthesia

Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts, 37 (1994) 35

### Androgens

Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestradiol-17 $\beta$ , androgens and oestrone sulphate in sub-oestrous buffalo cows treated with prostaglandin F<sub>2</sub>  $\alpha$ , 40 (1995) 7

Altered ovarian follicle function in ACTH-treated gilts, 40 (1995) 107

### Androstenedione

Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts, 37 (1994) 35

### Antihistamine seasonal dynamics

Seasonal effects of antihistamine on mean serum concentrations of luteinizing hormone, growth hormone and prolactin in ovariectomized ewes, 37 (1994) 15

### Antirelaxin

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

### Artificial insemination

Influence of the postpartum day on plasma, estradiol-17 $\beta$  levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits, 38 (1995) 331

Reproductive performance of heifers induced to oestrous asynchrony by suprabasal plasma progesterone levels, 39 (1995) 171

### Aspiration

Aspiration of the dominant follicle in mares and its effect on subsequent follicular development, 40 (1995) 77

**Atresia**

Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows, 39 (1995) 183

**Behaviour**

Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers, 37 (1995) 95

Arena behaviour of ewes selected for superior mothering ability differs from that of unselected ewes, 37 (1995) 133

Seasonal and other factors affecting the sexual behaviour of alpacas, 37 (1995) 348

**Biostimulation**

Female to female stimulation of ovarian activity in the ewe, 39 (1995) 251

**Birth weight**

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

**Blastocyst**

Higher rates of development into blastocyst following the in vitro fertilization of bovine oocytes matured in a medium supplemented with the fluid from large bovine follicles, 38 (1995) 285

**Blastocyst formation**

Blastocyst formation of pig embryos derived from in vitro fertilization of in vitro matured pig oocytes in the amniotic fluid of a developing chick embryo, 37 (1994) 65

**Blood circulation mechanisms**

Cortisol and  $\beta$ -endorphin levels in peripheral circulation around weaning in primiparous sows, 37 (1995) 175

**Boar effect**

The effects of contact frequency and season on the efficacy of the boar effect, 40 (1995) 143

**Boar semen**

Effects of slight agitation on the quality of refrigerated boar sperm, 39 (1995) 141

**Body condition**

Effects of infusion of GnRH pulses and level of body condition on ovarian function in postpartum beef cows, 40 (1995) 177

**Booroola gene**

Effect of the Booroola gene on time of ovulation and ovulatory dynamics, 37 (1994) 7

***Bos indicus***

Animal and temporal effects on ovarian follicular dynamics in Brahman heifers, 38 (1995) 265

**Bovine**

The effect of optimal and suboptimal concentrations of sperm on the fertility of fresh and frozen bovine semen and a theoretical model to explain the fertility differences, 39 (1995) 1

**Bovine oocytes**

Higher rates of development into blastocyst following the in vitro fertilization of bovine oocytes matured in a medium supplemented with the fluid from large bovine follicles, 38 (1995) 285

**Bovine viral diarrhea virus**

In vitro fertilization of ova from cows experimentally infected with a non-cytopathic strain of bovine viral diarrhea virus, 38 (1995) 215

**Bromocriptine**

Influence of prolactin on foetal survival in rabbit does, 37 (1994) 75

**Buserelin**

Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin, 37 (1995) 121

**Cat**

The recovery of preantral follicles from ovaries of domestic cats and their characterisation before and after culture, 39 (1995) 285

**Cattle**

Characteristics of ovulations in superovulated cattle, 37 (1994) 1

Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers, 37 (1995) 95

Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin, 37 (1995) 121

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol, 38 (1995) 179

Levels of bPSPB throughout single and twin pregnancies after AI or transfer of IVM/IVF cattle embryos, 38 (1995) 279

Reproductive performance of heifers induced to oestrous asynchrony by suprabasal plasma progesterone levels, 39 (1995) 171

### Cattle endocrinology

Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol, 37 (1995) 109

Oestrogen sulphatase activity in endometrium and foetal membranes of late gestational and parturient cows, 37 (1995) 251

Frequency of luteinizing hormone pulses and circulating 17 $\beta$ -oestradiol concentration in cows is related to concentration of progesterone in circulation when the progesterone comes from either an endogenous or exogenous source, 37 (1995) 257

Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone, 37 (1995) 267

Effect of immunization against synthetic peptide sequences of bovine inhibin  $\alpha$ -subunit on gonadotrophin concentrations in heifers, 38 (1995) 63

Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestradiol-17 $\beta$ , androgens and oestrone sulphate in sub-oestrous buffalo cows treated with prostaglandin F<sub>2</sub> $\alpha$ , 40 (1995) 7

Influence of low plasma progesterone concentrations on the release of prostaglandin F<sub>2</sub> $\alpha$  during luteolysis and oestrus in heifers, 40 (1995) 261

### Cattle - male

Sperm chromosome analysis of Karan Swiss and Karan Fries crossbred bulls, 37 (1995) 291

### Cattle - ovary

Ultrastructure of in vitro matured bovine oocytes after controlled freezing in 10% glycerol, 37 (1995) 281

Follicular development in long-term anoestrous suckler beef cows fed two levels of energy postpartum, 38 (1995) 49

Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle, 39 (1995) 193

Follicle-stimulating hormone stimulated differentiation and progesterone production of bovine granulosa cells in culture, 39 (1995) 237

### Cattle - puberty

Heifers sired by bulls with either high or low expected progeny differences (EPDs) for marbling do not differ in age at puberty, 40 (1995) 253

### Cervus

Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation, 38 (1995) 137

### hCG

Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts, 38 (1995) 231

### Chimera

Semen characteristics and production of germ cells in male sheep-goat chimeras, 40 (1995) 31

### Chronic stress

The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig, 38 (1995) 251

### Cloning

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

### Cloprostenol

Endogenous prostaglandin secretion during cloprostenol-induced abortion in mares, 40 (1995) 305

### Conception

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

**Conceptus**

Comparison of PGF<sub>2</sub> $\alpha$ -induced luteolysis in early pregnant and estrogen-treated 'pseudopregnant' gilts, 38 (1995) 239

**Corpus luteum**

Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows, 39 (1995) 183

Effect of intrauterine infusion of recombinant bovine interferon  $\alpha_1$  on luteal phase duration and oxytocin-induced release of 13,14-dihydro-15-keto-prostaglandin F<sub>2 $\alpha$</sub>  in postpartum beef cows, 40 (1995) 193

**Corticotrophin releasing hormone**

Adrenocorticotrophin (ACTH) 1-39 and corticotrophin releasing hormone (CRH) induced changes in luteinizing hormone secretion from perfused ovine pituitaries, 37 (1994) 25

**Cortisol endorphins**

Cortisol and  $\beta$ -endorphin levels in peripheral circulation around weaning in primiparous sows, 37 (1995) 175

**Cows**

Factors in the resumption of ovarian activity and uterine involution in postpartum dairy cows, 38 (1995) 203

Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows, 39 (1995) 183

**Cows, beef**

Effects of infusion of GnRH pulses and level of body condition on ovarian function in postpartum beef cows, 40 (1995) 177

**Cumulus cells**

Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation, 38 (1995) 37

**Dama**

Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation, 38 (1995) 137

**Deer**

Oestrous synchronisation in farmed fallow deer (*Dama dama*): effects of season, treatment duration and the male on the efficacy of the intravaginal CIDR device, 37 (1995) 159

Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (*Capreolus capreolus* L.), 38 (1995) 127

**Dietary restriction**

Dietary protein or energy restriction influences age and weight at puberty in ewe lambs, 40 (1995) 229

**Dominant follicle**

Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle, 39 (1995) 193

**Ejaculation frequency**

The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram, 37 (1995) 299

**ELISA**

Influence of the postpartum day on plasma, estradiol-17 $\beta$  levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits, 38 (1995) 331

**Embryo**

Dose-response relationships of exogenous progesterone shortly after ovulation on estrous cycle length, blastocyst development and fertility in sheep, 38 (1995) 109

Partitioning of glucose carbon in post-compaction ovine embryos, 38 (1995) 119

Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation, 38 (1995) 137

Expression of glycine cleavage system and effect of glycine on in vitro maturation, fertilization and early embryonic development in pigs, 38 (1995) 155

In vitro fertilization of ova from cows experimentally infected with a non-cytopathic strain of bovine viral diarrhoea virus, 38 (1995) 215

**Embryo freezing techniques**

Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol, 38 (1995) 179



**Embryology**

Blastocyst formation of pig embryos derived from in vitro fertilization of in vitro matured pig oocytes in the amniotic fluid of a developing chick embryo, 37 (1994) 65

Oestrogen sulphatase activity in endometrium and foetal membranes of late gestational and parturient cows, 37 (1995) 251

Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts, 38 (1995) 231

Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos, 40 (1995) 269

**Embryonic survival**

Relationship of length of uterus in prepubertal pigs and number of corpora lutea and fetuses at 30 days of gestation, 38 (1995) 327

**Embryo transfer**

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol, 38 (1995) 179

Levels of bPSPB throughout single and twin pregnancies after AI or transfer of IVM/IVF cattle embryos, 38 (1995) 279

Embryo recovery from superovulated mouflons (*Ovis gmelini musimon*) and viability after transfer into domestic sheep, 39 (1995) 109

**Embryo yield**

Plasma progesterone concentration in relation to ovulation rate and embryo yield in Chios ewes superovulated with PMSG, 39 (1995) 11

Immunization of goats against recombinant human inhibin  $\alpha$ -subunit: Effects on inhibin binding, mating behaviour, ovarian activity and embryo yield, 39 (1995) 119

**Endocrinology**

Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers, 37 (1995) 95

Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin, 37 (1995) 121

**Endometritis**

Bacterial endometritis and vaginal discharge in the sow: prevalence of different bacterial species and experimental reproduction of the syndrome, 37 (1995) 325

**Endometrium**

Oestrogen sulphatase activity in endometrium and foetal membranes of late gestational and parturient cows, 37 (1995) 251

**Energy**

Dietary protein or energy restriction influences age and weight at puberty in ewe lambs, 40 (1995) 229

**Enzymology**

Spectrophotometric measurement of aspartate aminotransferase activity in mammalian and fish semen, 38 (1995) 167

**Estradiol**

Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt, 39 (1995) 59

Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle, 39 (1995) 193

Effects of progesterone and estradiol on prostaglandin endoperoxide synthase in ovine endometrial tissue, 40 (1995) 17

Attenuation of the estradiol-induced surge release of luteinizing hormone by antihistamine in ovariectomized ewes, 40 (1995) 281

**Estradiol-17 $\beta$** 

Influence of the postpartum day on plasma, estradiol-17 $\beta$  levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits, 38 (1995) 331

Serum LH, FSH, estradiol-17 $\beta$  and progesterone profiles of native and crossbred goats in a tropical semiarid zone of Venezuela during the estrous cycle, 39 (1995) 49

**Estrogen**

Determination of pregnancy and estimation of litter size in gilts based on concentration of estrone glucuronide and estradiol glucuronide in plasma, 40 (1995) 99

**Estrous cycle**

Serum LH, FSH, estradiol-17 $\beta$  and progesterone profiles of native and crossbred goats in a tropical semiarid zone of Venezuela during the estrous cycle, 39 (1995) 49

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

Effect of intrauterine infusion of recombinant bovine interferon  $\alpha_1$  on luteal phase duration and oxytocin-induced release of 13,14-dihydro-15-keto-prostaglandin F $_{2\alpha}$  in postpartum beef cows, 40 (1995) 193

**Ethylene glycol**

Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol, 38 (1995) 179

**Ewes**

Plasma progesterone concentration in relation to ovulation rate and embryo yield in Chios ewes superovulated with PMSG, 39 (1995) 11

Attenuation of the estradiol-induced surge release of luteinizing hormone by antihistamine in ovariectomized ewes, 40 (1995) 281

Reproductive response and LH secretion in ewes treated with melatonin implants and induced to ovulate with the ram effect, 39 (1995) 23

**Exogenous progesterone**

Ultrasound-monitored ovarian responses in normal and superovulated cattle given exogenous progesterone at different stages of the oestrous cycle, 38 (1995) 187

**Farrowing rate**

An interaction between feeding rate and season affects fertility of sows, 39 (1995) 275

**Feeding and nutrition**

Follicular development in long-term anoestrous suckler beef cows fed two levels of energy postpartum, 38 (1995) 49

**Female effect**

Female to female stimulation of ovarian activity in the ewe, 39 (1995) 251

The induction of ovulation in anovulatory goats by oestrous females, 40 (1995) 299

**Fertility**

Dose-response relationships of exogenous progesterone shortly after ovulation on estrous cycle length, blastocyst development and fertility in sheep, 38 (1995) 109

The effect of optimal and suboptimal concentrations of sperm on the fertility of fresh and frozen bovine semen and a theoretical model to explain the fertility differences, 39 (1995) 1

Reproductive performance of heifers induced to oestrous asynchrony by suprabasal plasma progesterone levels, 39 (1995) 171

Semen characteristics and production of germ cells in male sheep-goat chimeras, 40 (1995) 31

Influence of low plasma progesterone concentrations on the release of prostaglandin F $_{2\alpha}$  during luteolysis and oestrus in heifers, 40 (1995) 261

**Fertilization**

In vitro fertilization of ova from cows experimentally infected with a non-cytopathic strain of bovine viral diarrhoea virus, 38 (1995) 215

**Foetal loss**

Foetal mortality at different stages of gestation in alpacas (*Lama pacos*) and the associated changes in progesterone concentrations, 40 (1995) 89

**Foetal mortality**

Influence of prolactin on foetal survival in rabbit does, 37 (1994) 75

**Foetal survival**

Synchronization of oestrus in gilts with altrenogest: effects on ovulation rate and foetal survival, 39 (1995) 267

**Follicle development**

Aspiration of the dominant follicle in mares and its effect on subsequent follicular development, 40 (1995) 77

**Follicles**

Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows, 39 (1995) 183

**Follicle stimulating hormone**

Oestradiol and the preovulatory surges of luteinising hormone and follicle stimulating hormone in ewes during the breeding season and transition into anoestrus, 40 (1995) 291

**Follicular dynamics**

Follicular development in long-term anoestrous suckler beef cows fed two levels of energy postpartum, 38 (1995) 49

Animal and temporal effects on ovarian follicular dynamics in Brahman heifers, 38 (1995) 265

**Follicular fluid**

Higher rates of development into blastocyst following the *in vitro* fertilization of bovine oocytes matured in a medium supplemented with the fluid from large bovine follicles, 38 (1995) 285

**Follicular wave emergence**

Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle, 39 (1995) 193

**Freezing/thawing**

Ultrastructure of *in vitro* matured bovine oocytes after controlled freezing in 10% glycerol, 37 (1995) 281

**Fresh**

The effect of optimal and suboptimal concentrations of sperm on the fertility of fresh and frozen bovine semen and a theoretical model to explain the fertility differences, 39 (1995) 1

**Frozen**

The effect of optimal and suboptimal concentrations of sperm on the fertility of fresh and frozen bovine semen and a theoretical model to explain the fertility differences, 39 (1995) 1

**FSH**

Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol, 37 (1995) 109

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

Effect of immunization against synthetic peptide sequences of bovine inhibin  $\alpha$ -subunit on gonadotrophin concentrations in heifers, 38 (1995) 63

Follicle-stimulating hormone stimulated differentiation and progesterone production of bovine granulosa cells in culture, 39 (1995) 237

Superovulation and recovery of zygotes suitable for microinjection in different breeds of sheep, 40 (1995) 215

**Genetics**

Effect of the Booroola gene on time of ovulation and ovulatory dynamics, 37 (1994) 7

Arena behaviour of ewes selected for superior mothering ability differs from that of unselected ewes, 37 (1995) 133

Sperm chromosome analysis of Karan Swiss and Karan Fries crossbred bulls, 37 (1995) 291

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321

Examination of ovulation rate, uterine and fetal interactions, and reproductive age in Chinese Meishan, Yorkshire, and reciprocal cross gilts: effects of fetal and maternal genotypes, 39 (1995) 147

Heifers sired by bulls with either high or low expected progeny differences (EPDs) for marbling do not differ in age at puberty, 40 (1995) 253

**Germline**

Semen characteristics and production of germ cells in male sheep-goat chimeras, 40 (1995) 31

**Glucocorticoids**

Altered ovarian follicle function in ACTH-treated gilts, 40 (1995) 107

**Glucose**

Partitioning of glucose carbon in post-compaction ovine embryos, 38 (1995) 119

**Glycine**

Expression of glycine cleavage system and effect of glycine on *in vitro* maturation, fertilization and early embryonic development in pigs, 38 (1995) 155

**Glycogen**

Partitioning of glucose carbon in post-compaction ovine embryos, 38 (1995) 119

**GnRH**

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311



Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows, 39 (1995) 183

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

Effects of infusion of GnRH pulses and level of body condition on ovarian function in postpartum beef cows, 40 (1995) 177

#### **GnRH agonist**

Effect of chronic treatment with a GnRH agonist (Goserelin) on LH secretion and early pregnancy in gilts, 40 (1995) 121

#### **GnRH analogue**

Use of deslorelin short-term implants to induce ovulation in cycling mares during three consecutive estrous cycles, 39 (1995) 129

#### **Goats**

Immunization of goats against recombinant human inhibin  $\alpha$ -subunit: Effects on inhibin binding, mating behaviour, ovarian activity and embryo yield, 39 (1995) 119

A clinical and ultrasonographic study of induced testicular and epididymal lesions in goats and a ram, 39 (1995) 35

Serum LH, FSH, estradiol-17 $\beta$  and progesterone profiles of native and crossbred goats in a tropical semiarid zone of Venezuela during the estrous cycle, 39 (1995) 49

The induction of ovulation in anovulatory goats by oestrous females, 40 (1995) 299

#### **Gonadotrophin-releasing hormone**

Alterations in plasma luteinising hormone and testosterone concentrations and responses to injection of gonadotrophin-releasing hormone in sheep infected with *Trypanosoma congolense*, 40 (1995) 203

#### **Gonadotropin**

Serum LH, FSH, estradiol-17 $\beta$  and progesterone profiles of native and crossbred goats in a tropical semiarid zone of Venezuela during the estrous cycle, 39 (1995) 49

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

#### **Granulosa cells**

Follicle-stimulating hormone stimulated differentiation and progesterone production of bovine granulosa cells in culture, 39 (1995) 237

Altered ovarian follicle function in ACTH-treated gilts, 40 (1995) 107

#### **Growth characteristics**

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

#### **Growth factors**

Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone, 37 (1995) 267

#### **Growth hormone**

Seasonal effects of antihistamine on mean serum concentrations of luteinizing hormone, growth hormone and prolactin in ovariectomized ewes, 37 (1994) 15

#### **Heat stress**

Levels of bPSPB throughout single and twin pregnancies after AI or transfer of IVM/IVF cattle embryos, 38 (1995) 279

#### **Heifers**

Animal and temporal effects on ovarian follicular dynamics in Brahman heifers, 38 (1995) 265

Active immunization of post-pubertal heifers against prostaglandin F<sub>2 $\alpha$</sub>  to suppress oestrous behaviour: effect of adjuvant and dose of immunogen, 38 (1995) 291

Effects of active immunization of prepubertal heifers against prostaglandin F<sub>2 $\alpha$</sub>  on the onset of puberty and subsequent ovarian function, 38 (1995) 305

#### **Histamine**

Attenuation of the estradiol-induced surge release of luteinizing hormone by antihistamine in ovariectomized ewes, 40 (1995) 281

#### **HMG box**

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321



**Homeobox**

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321

**Hormones**

Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation, 38 (1995) 137

**Human chorionic gonadotrophin**

Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts, 38 (1995) 231

**Hydrocortisone**

Effect of transport stress and hydrocortisone on the oestrogen-induced luteinizing hormone surge in pigs, 37 (1995) 337

**Immunization**

Effect of immunization against synthetic peptide sequences of bovine inhibin  $\alpha$ -subunit on gonadotrophin concentrations in heifers, 38 (1995) 63

Active immunization of post-pubertal heifers against prostaglandin  $F_{2\alpha}$  to suppress oestrous behaviour: effect of adjuvant and dose of immunogen, 38 (1995) 291

Immunization of goats against recombinant human inhibin  $\alpha$ -subunit: Effects on inhibin binding, mating behaviour, ovarian activity and embryo yield, 39 (1995) 119

**Immunization passive**

Effects of anti-progesterone murine monoclonal antibodies on plasma progesterone concentrations and on anti-mouse reactions in cyclic pigs, 37 (1994) 51

**Induced ovulation**

The induction of ovulation in anovulatory goats by oestrous females, 40 (1995) 299

**Inhibin**

Immunization of goats against recombinant human inhibin  $\alpha$ -subunit: Effects on inhibin binding, mating behaviour, ovarian activity and embryo yield, 39 (1995) 119

**Intravaginal devices**

Oestrous synchronisation in farmed fallow deer (*Dama dama*): effects of season, treatment duration and the male on the efficacy of the intravaginal CIDR device, 37 (1995) 159

**In vitro fertilization**

Blastocyst formation of pig embryos derived from in vitro fertilization of in vitro matured pig oocytes in the amniotic fluid of a developing chick embryo, 37 (1994) 65

Expression of glycine cleavage system and effect of glycine on in vitro maturation, fertilization and early embryonic development in pigs, 38 (1995) 155

**In vitro growth**

The recovery of preantral follicles from ovaries of domestic cats and their characterisation before and after culture, 39 (1995) 285

**Lactation**

Influence of prolactin on foetal survival in rabbit does, 37 (1994) 75

Effect of once-daily suckling on postpartum reproduction in zebu-cross cows in the tropics, 40 (1995) 1

**Litter size**

Relationship of length of uterus in prepubertal pigs and number of corpora lutea and fetuses at 30 days of gestation, 38 (1995) 327

Determination of pregnancy and estimation of litter size in gilts based on concentration of estrone glucuronide and estradiol glucuronide in plasma, 40 (1995) 99

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

**Luteal function**

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

**Luteinisation**

Follicle-stimulating hormone stimulated differentiation and progesterone production of bovine granulosa cells in culture, 39 (1995) 237

**LH secretion**

Reproductive response and LH secretion in ewes treated with melatonin implants and induced to ovulate with the ram effect, 39 (1995) 23

**LH stress**

Effect of transport stress and hydrocortisone on the oestrogen-induced luteinizing hormone surge in pigs, 37 (1995) 337

**Luteinizing hormone**

Seasonal effects of antihistamine on mean serum concentrations of luteinizing hormone, growth hormone and prolactin in ovariectomized ewes, 37 (1994) 15

Adrenocorticotrophin (ACTH) 1-39 and corticotrophin releasing hormone (CRH) induced changes in luteinizing hormone secretion from perfused ovine pituitaries, 37 (1994) 25

Short-term stimulation of luteinizing hormone (LH) secretion by naloxone treatment in the pregnant gilt, 37 (1994) 43

Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol, 37 (1995) 109

Effect of immunization against synthetic peptide sequences of bovine inhibin  $\alpha$ -subunit on gonadotrophin concentrations in heifers, 38 (1995) 63

Frequency of luteinizing hormone pulses and circulating 17 $\beta$ -oestradiol concentration in cows is related to concentration of progesterone in circulation when the progesterone comes from either an endogenous or exogenous source, 37 (1995) 257

Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone, 37 (1995) 267

Effect of chronic treatment with a GnRH agonist (Goserelin) on LH secretion and early pregnancy in gilts, 40 (1995) 121

Superovulation and recovery of zygotes suitable for microinjection in different breeds of sheep, 40 (1995) 215

Attenuation of the estradiol-induced surge release of luteinizing hormone by antihistamine in ovariectomized ewes, 40 (1995) 281

Alterations in plasma luteinising hormone and testosterone concentrations and responses to injection of gonadotrophin-releasing hormone in sheep infected with *Trypanosoma congolense*, 40 (1995) 203

Oestradiol and the preovulatory surges of luteinising hormone and follicle stimulating hormone in ewes during the breeding season and transition into anoestrus, 40 (1995) 291

**Luteolysis**

Comparison of PGF $_2\alpha$ -induced luteolysis in early pregnant and estrogen-treated 'pseudopregnant' gilts, 38 (1995) 239

**Marbling**

Heifers sired by bulls with either high or low expected progeny differences (EPDs) for marbling do not differ in age at puberty, 40 (1995) 253

**Mares**

Use of deslorelin short-term implants to induce ovulation in cycling mares during three consecutive estrous cycles, 39 (1995) 129

Aspiration of the dominant follicle in mares and its effect on subsequent follicular development, 40 (1995) 77

Endogenous prostaglandin secretion during cloprostenol-induced abortion in mares, 40 (1995) 305

**Maturation**

Higher rates of development into blastocyst following the in vitro fertilization of bovine oocytes matured in a medium supplemented with the fluid from large bovine follicles, 38 (1995) 285

**Melatonin**

Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (*Capreolus capreolus* L.), 38 (1995) 127

**Melatonin implants**

Reproductive response and LH secretion in ewes treated with melatonin implants and induced to ovulate with the ram effect, 39 (1995) 23

**Membrane potential**

Mitochondrial injury to ram sperm during procedures associated with artificial insemination or frozen storage, 40 (1995) 43

**Microbiology**

Bacterial endometritis and vaginal discharge in the sow: prevalence of different bacterial species and experimental reproduction of the syndrome, 37 (1995) 325

**Monoclonal antibodies**

Effects of anti-progesterone murine monoclonal antibodies on plasma progesterone concentrations and on anti-mouse reactions in cyclic pigs, 37 (1994) 51

**Morphine**

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

**Mothering ability**

Arena behaviour of ewes selected for superior mothering ability differs from that of unselected ewes, 37 (1995) 133

**Motility**

Effects of slight agitation on the quality of refrigerated boar sperm, 39 (1995) 141

**Mouflon**

Embryo recovery from superovulated mouflons (*Ovis gmelini musimon*) and viability after transfer into domestic sheep, 39 (1995) 109

**Naloxone**

Short-term stimulation of luteinizing hormone (LH) secretion by naloxone treatment in the pregnant gilt, 37 (1995) 43

Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt, 39 (1995) 59

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

**Nuclear transfer**

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

**Nutrition**

Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone, 37 (1995) 267

The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram, 37 (1995) 299

Dietary-induced suppression of pre-ovulatory progesterone concentrations in superovulated ewes impairs the subsequent in vivo and in vitro development of their ova, 39 (1995) 89

**Oestradiol**

Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol, 37 (1995) 109

Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin, 37 (1995) 121

Frequency of luteinizing hormone pulses and circulating 17 $\beta$ -oestradiol concentration in cows is related to concentration of progesterone in circulation when the progesterone comes from either an endogenous or exogenous source, 37 (1995) 257

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells, 39 (1995) 81

Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestradiol-17 $\beta$ , androgens and oestrone sulphate in sub-oestrous buffalo cows treated with prostaglandin F<sub>2</sub> $\alpha$ , 40 (1995) 7

Oestradiol and the preovulatory surges of luteinising hormone and follicle stimulating hormone in ewes during the breeding season and transition into anoestrus, 40 (1995) 291

**Oestrogens**

Altered ovarian follicle function in ACTH-treated gilts, 40 (1995) 107

**Oestrogen sulphatase**

Oestrogen sulphatase activity in endometrium and foetal membranes of late gestational and parturient cows, 37 (1995) 251

**Oestrone sulphate**

Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestra-



diol-17 $\beta$ , androgens and oestrone sulphate in sub-oestrous buffalo cows treated with prostaglandin F<sub>2</sub> $\alpha$ , 40 (1995) 7

### **Oestrus**

Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts, 38 (1995) 231

Influence of low plasma progesterone concentrations on the release of prostaglandin F<sub>2</sub> $\alpha$  during luteolysis and oestrus in heifers, 40 (1995) 261

### **Oestrus control**

Oestrous synchronisation in farmed fallow deer (*Dama dama*): effects of season, treatment duration and the male on the efficacy of the intravaginal CIDR device, 37 (1995) 159

### **Oestrus cycle**

Reproductive performance of heifers induced to oestrous asynchrony by suprabasal plasma progesterone levels, 39 (1995) 171

Influence of low plasma progesterone concentrations on the release of prostaglandin F<sub>2</sub> $\alpha$  during luteolysis and oestrus in heifers, 40 (1995) 261

### **Oestrus cycle dynamics**

Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers, 37 (1995) 95

Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol, 37 (1995) 109

### **Oocyte characteristics**

Ultrastructure of in vitro matured bovine oocytes after controlled freezing in 10% glycerol, 37 (1995) 281

### **Oocytes**

Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation, 38 (1995) 37

### **Opioids**

Short-term stimulation of luteinizing hormone (LH) secretion by naloxone treatment in the pregnant gilt, 37 (1994) 43

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

### **Organelles**

Ultrastructure of in vitro matured bovine oocytes after controlled freezing in 10% glycerol, 37 (1995) 281

### **ORT test**

Effects of slight agitation on the quality of refrigerated boar sperm, 39 (1995) 141

### **Ova**

In vitro fertilization of ova from cows experimentally infected with a non-cytopathic strain of bovine viral diarrhoea virus, 38 (1995) 215

### **Ovarian follicles**

Effects of infusion of GnRH pulses and level of body condition on ovarian function in postpartum beef cows, 40 (1995) 177

### **Ovarian function**

Factors in the resumption of ovarian activity and uterine involution in postpartum dairy cows, 38 (1995) 203

### **Ovary**

Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells, 39 (1995) 81

Buserelin overcomes the effect of the corpus luteum on ovarian follicular development in postpartum cycling cows, 39 (1995) 183

### **Oviduct**

Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts, 37 (1994) 35

### **Ovine**

Partitioning of glucose carbon in post-compaction ovine embryos, 38 (1995) 119

### **Ovulation**

Characteristics of ovulations in superovulated cattle, 37 (1994) 1

Effect of the Booroola gene on time of ovulation and ovulatory dynamics, 37 (1994) 7

The effect of ruminal starch degradability in the diet of Booroola crossbred ewes on induced ovulation rate and prolificacy, 38 (1995) 97

Evaluation of early reproductive performance in the postpartum alpaca by progesterone concentrations, 39 (1995) 71



**Ovulation induction**

Use of deslorelin short-term implants to induce ovulation in cycling mares during three consecutive estrous cycles, 39 (1995) 129

**Ovulation rate**

Plasma progesterone concentration in relation to ovulation rate and embryo yield in Chios ewes superovulated with PMSG, 39 (1995) 11

Examination of ovulation rate, uterine and fetal interactions, and reproductive age in Chinese Meishan, Yorkshire, and reciprocal cross gilts: effects of fetal and maternal genotypes, 39 (1995) 147

Synchronization of oestrus in gilts with altrenogest: effects on ovulation rate and foetal survival, 39 (1995) 267

**Ovulatory dynamics**

Effect of the Booroola gene on time of ovulation and ovulatory dynamics, 37 (1994) 7

Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers, 37 (1995) 95

Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (*Capreolus capreolus* L.), 38 (1995) 127

**Ovum development**

Dietary-induced suppression of pre-ovulatory progesterone concentrations in superovulated ewes impairs the subsequent in vivo and in vitro development of their ova, 39 (1995) 89

**Oxytocin**

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig, 38 (1995) 251

Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells, 39 (1995) 81

**Parturition**

The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig, 38 (1995) 251

Photoperiodic control of the time of parturition in alpacas (*Lama pacos*), 39 (1995) 259

**Penetration**

Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation, 38 (1995) 37

**Peptide sequences**

Effect of immunization against synthetic peptide sequences of bovine inhibin  $\alpha$ -subunit on gonadotrophin concentrations in heifers, 38 (1995) 63

**PGF**

Active immunization of post-pubertal heifers against prostaglandin  $F_{2\alpha}$  to suppress oestrous behaviour: effect of adjuvant and dose of immunogen, 38 (1995) 291

**PGF<sub>2</sub> $\alpha$** 

Comparison of PGF<sub>2</sub> $\alpha$ -induced luteolysis in early pregnant and estrogen-treated 'pseudopregnant' gilts, 38 (1995) 239

**PGF immunization**

Effects of active immunization of prepubertal heifers against prostaglandin  $F_{2\alpha}$  on the onset of puberty and subsequent ovarian function, 38 (1995) 305

**Pheromones**

Female to female stimulation of ovarian activity in the ewe, 39 (1995) 251

**Photoperiod**

Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (*Capreolus capreolus* L.), 38 (1995) 127

Animal and temporal effects on ovarian follicular dynamics in Brahman heifers, 38 (1995) 265

Photoperiodic control of the time of parturition in alpacas (*Lama pacos*), 39 (1995) 259

**Pig**

Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts, 37 (1994) 35

Short-term stimulation of luteinizing hormone (LH) secretion by naloxone treatment in the pregnant gilt, 37 (1994) 43

Effects of anti-progesterone murine monoclonal antibodies on plasma progesterone concentrations and on anti-mouse reactions in cyclic pigs, 37 (1994) 51

Blastocyst formation of pig embryos derived from in vitro fertilization of in vitro matured pig oocytes in the amniotic fluid of a developing chick embryo, 37 (1994) 65

Expression of glycine cleavage system and effect of glycine on in vitro maturation, fertilization and early embryonic development in pigs, 38 (1995) 155

Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts, 38 (1995) 231

Comparison of PGF<sub>2</sub> $\alpha$ -induced luteolysis in early pregnant and estrogen-treated 'pseudopregnant' gilts, 38 (1995) 239

The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig, 38 (1995) 251

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321

Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt, 39 (1995) 59

Determination of pregnancy and estimation of litter size in gilts based on concentration of estrone glucuronide and estradiol glucuronide in plasma, 40 (1995) 99

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

#### **Pig endocrinology**

Cortisol and  $\beta$ -endorphin levels in peripheral circulation around weaning in primiparous sows, 37 (1995) 175

Effect of transport stress and hydrocortisone on the oestrogen-induced luteinizing hormone surge in pigs, 37 (1995) 337

Altered ovarian follicle function in ACTH-treated gilts, 40 (1995) 107

Effect of chronic treatment with a GnRH agonist (Goserelin) on LH secretion and early pregnancy in gilts, 40 (1995) 121

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

#### **Pig - fertility**

An interaction between feeding rate and season affects fertility of sows, 39 (1995) 275

#### **Pig - oestrus**

Synchronization of oestrus in gilts with altrenogest: effects on ovulation rate and foetal survival, 39 (1995) 267

#### **Pig - ovary**

Examination of ovulation rate, uterine and fetal interactions, and reproductive age in Chinese Meishan, Yorkshire, and reciprocal cross gilts: effects of fetal and maternal genotypes, 39 (1995) 147

#### **Pig - pathology**

Bacterial endometritis and vaginal discharge in the sow: prevalence of different bacterial species and experimental reproduction of the syndrome, 37 (1995) 325

#### **Pig - puberty**

The effects of daily exposure to oestrous or anoestrous gilts and sows on the attainment of puberty in the gilt, 40 (1995) 135

The effects of contact frequency and season on the efficacy of the boar effect, 40 (1995) 143

#### **Pituitary**

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

#### **PMSG**

Superovulatory response of Chios sheep to PMSG during spring and autumn, 39 (1995) 215

#### **Polymerase chain reaction**

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321

#### **Polyspermy**

Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation, 38 (1995) 37

#### **Postpartum**

Factors in the resumption of ovarian activity and uterine involution in postpartum dairy cows, 38 (1995) 203

Evaluation of early reproductive performance in the postpartum alpaca by progesterone concentrations, 39 (1995) 71

Effects of infusion of GnRH pulses and level of body condition on ovarian function in postpartum beef cows, 40 (1995) 177

**Postpartum period**

Effect of once-daily suckling on postpartum reproduction in zebu-cross cows in the tropics, 40 (1995) 1

**Preatral follicles**

The recovery of preantral follicles from ovaries of domestic cats and their characterisation before and after culture, 39 (1995) 285

**Pregnancy**

Short-term stimulation of luteinizing hormone (LH) secretion by naloxone treatment in the pregnant gilt, 37 (1994) 43

Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin, 37 (1995) 121

Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts, 38 (1995) 231

Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt, 39 (1995) 59

Evaluation of early reproductive performance in the postpartum alpaca by progesterone concentrations, 39 (1995) 71

Effect of chronic treatment with a GnRH agonist (Goserelin) on LH secretion and early pregnancy in gilts, 40 (1995) 121

Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos, 40 (1995) 269

**Pregnancy detection**

Determination of pregnancy and estimation of litter size in gilts based on concentration of estrone glucuronide and estradiol glucuronide in plasma, 40 (1995) 99

**Pregnancy diagnosis**

Levels of bPSPB throughout single and twin pregnancies after AI or transfer of IVM/IVF cattle embryos, 38 (1995) 279

**Prenatal survival**

Examination of ovulation rate, uterine and fetal interactions, and reproductive age in Chinese Meishan, Yorkshire, and reciprocal cross gilts: effects of fetal and maternal genotypes, 39 (1995) 147

**Pre-ovulatory**

Dietary-induced suppression of pre-ovulatory progesterone concentrations in superovulated ewes impairs the subsequent in vivo and in vitro development of their ova, 39 (1995) 89

**Progesterone**

Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts, 37 (1994) 35

Effects of anti-progesterone murine monoclonal antibodies on plasma progesterone concentrations and on anti-mouse reactions in cyclic pigs, 37 (1994) 51

Influence of prolactin on foetal survival in rabbit does, 37 (1994) 75

Influence of perioestrous suprabasal progesterone levels on cycle length, oestrous behaviour and ovulation in heifers, 37 (1995) 95

Secretion of gonadotrophins change during the luteal phase of the bovine oestrous cycle in the absence of corresponding changes in progesterone or 17 $\beta$ -oestradiol, 37 (1995) 109

Plasma oestradiol and progesterone during early pregnancy in the cow and the effects of treatment with buserelin, 37 (1995) 121

Frequency of luteinizing hormone pulses and circulating 17 $\beta$ -oestradiol concentration in cows is related to concentration of progesterone in circulation when the progesterone comes from either an endogenous or exogenous source, 37 (1995) 257

Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone, 37 (1995) 267

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

Dose-response relationships of exogenous progesterone shortly after ovulation on estrous cycle length, blastocyst development and fertility in sheep, 38 (1995) 109

Serum LH, FSH, estradiol-17 $\beta$  and progesterone profiles of native and crossbred goats in a tropical semiarid zone of Venezuela during the estrous cycle, 39 (1995) 49

Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt, 39 (1995) 59



Evaluation of early reproductive performance in the postpartum alpaca by progesterone concentrations, 39 (1995) 71

Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells, 39 (1995) 81

Dietary-induced suppression of pre-ovulatory progesterone concentrations in superovulated ewes impairs the subsequent in vivo and in vitro development of their ova, 39 (1995) 89

Reproductive performance of heifers induced to oestrous asynchrony by suprabasal plasma progesterone levels, 39 (1995) 171

Follicle-stimulating hormone stimulated differentiation and progesterone production of bovine granulosa cells in culture, 39 (1995) 237

Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestradiol-17 $\beta$ , androgens and oestrone sulphate in sub-oestrous buffalo cows treated with prostaglandin F<sub>2</sub> $\alpha$ , 40 (1995) 7

Effects of progesterone and estradiol on prostaglandin endoperoxide synthase in ovine endometrial tissue, 40 (1995) 17

Foetal mortality at different stages of gestation in alpacas (*Lama pacos*) and the associated changes in progesterone concentrations, 40 (1995) 89

Effect of intrauterine infusion of recombinant bovine interferon  $\alpha_1$  on luteal phase duration and oxytocin-induced release of 13,14-dihydro-15-keto-prostaglandin F<sub>2</sub> $\alpha$  in postpartum beef cows, 40 (1995) 193

Influence of low plasma progesterone concentrations on the release of prostaglandin F<sub>2</sub> $\alpha$  during luteolysis and oestrus in heifers, 40 (1995) 261

#### **Progesterone concentration**

Plasma progesterone concentration in relation to ovulation rate and embryo yield in Chios ewes superovulated with PMSG, 39 (1995) 11

#### **Progestogen**

Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle, 39 (1995) 193

Synchronization of oestrus in gilts with altrenogest: effects on ovulation rate and foetal survival, 39 (1995) 267

#### **Prolactin**

Seasonal effects of antihistamine on mean serum concentrations of luteinizing hormone, growth hormone and prolactin in ovariectomized ewes, 37 (1994) 15

Influence of prolactin on foetal survival in rabbit does, 37 (1994) 75

Short-term inhibition of prolactin secretion by naloxone treatment in the pregnant gilt, 39 (1995) 59

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

#### **Prostaglandin**

Assessment of fertility by monitoring changes in plasma concentrations of progesterone, oestradiol-17 $\beta$ , androgens and oestrone sulphate in sub-oestrous buffalo cows treated with prostaglandin F<sub>2</sub> $\alpha$ , 40 (1995) 7

Endogenous prostaglandin secretion during cloprostenol-induced abortion in mares, 40 (1995) 305

#### **Prostaglandin endoperoxide synthase**

Effects of progesterone and estradiol on prostaglandin endoperoxide synthase in ovine endometrial tissue, 40 (1995) 17

#### **Prostaglandin F<sub>2</sub> $\alpha$**

Effect of intrauterine infusion of recombinant bovine interferon  $\alpha_1$  on luteal phase duration and oxytocin-induced release of 13,14-dihydro-15-keto-prostaglandin F<sub>2</sub> $\alpha$  in postpartum beef cows, 40 (1995) 193

#### **Protein**

Dietary protein or energy restriction influences age and weight at puberty in ewe lambs, 40 (1995) 229

#### **Puberty**

Effects of active immunization of prepubertal heifers against prostaglandin F<sub>2</sub> $\alpha$  on the onset of puberty and subsequent ovarian function, 38 (1995) 305

Dietary protein or energy restriction influences age and weight at puberty in ewe lambs, 40 (1995) 229

#### **Puberty induction**

The effects of daily exposure to oestrous or anoestrous gilts and sows on the attainment of puberty in the gilt, 40 (1995) 135

The effects of contact frequency and season on the efficacy of the boar effect, 40 (1995) 143



**Rabbit**

Influence of prolactin on foetal survival in rabbit does, 37 (1994) 75

Influence of the postpartum day on plasma, estradiol-17 $\beta$  levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits, 38 (1995) 331

**Ram**

Alterations in plasma luteinising hormone and testosterone concentrations and responses to injection of gonadotrophin-releasing hormone in sheep infected with *Trypanosoma congolense*, 40 (1995) 203

A clinical and ultrasonographic study of induced testicular and epididymal lesions in goats and a ram, 39 (1995) 35

**Ram effect**

Reproductive response and LH secretion in ewes treated with melatonin implants and induced to ovulate with the ram effect, 39 (1995) 23

**Recombinant bovine interferon  $\alpha_1$** 

Effect of intrauterine infusion of recombinant bovine interferon  $\alpha_1$  on luteal phase duration and oxytocin-induced release of 13,14-dihydro-15-keto-prostaglandin F $_{2\alpha}$  in postpartum beef cows, 40 (1995) 193

**Recovery**

Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation, 38 (1995) 137

**Refrigeration**

Effects of slight agitation on the quality of refrigerated boar sperm, 39 (1995) 141

**Relaxin**

Anti-relaxin and relaxin on prolactin and gonadotropin secretion in vitro from porcine pituitary cells, 40 (1995) 239

**Reproduction**

Sperm chromosome analysis of Karan Swiss and Karan Fries crossbred bulls, 37 (1995) 291

The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram, 37 (1995) 299

Foetal mortality at different stages of gestation in alpacas (*Lama pacos*) and the associated changes in progesterone concentrations, 40 (1995) 89

**Reproductive technology**

Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating, 38 (1995) 73

Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol, 38 (1995) 179

**Rhodamine 123**

Mitochondrial injury to ram sperm during procedures associated with artificial insemination or frozen storage, 40 (1995) 43

**RT-PCR**

Expression of glycine cleavage system and effect of glycine on in vitro maturation, fertilization and early embryonic development in pigs, 38 (1995) 155

**Season**

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

**Seasonal dynamics**

Oestrous synchronisation in farmed fallow deer (*Dama dama*): effects of season, treatment duration and the male on the efficacy of the intravaginal CIDR device, 37 (1995) 159

Seasonal and other factors affecting the sexual behaviour of alpacas, 37 (1995) 348

Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (*Capreolus capreolus* L.), 38 (1995) 127

Superovulatory response of Chios sheep to PMSG during spring and autumn, 39 (1995) 215

An interaction between feeding rate and season affects fertility of sows, 39 (1995) 275

Seasonal variations in testicular morphology in Uruguayan Corriedale rams, 40 (1995) 59

The effects of contact frequency and season on the efficacy of the boar effect, 40 (1995) 143

**Season-nutrition interaction**

An interaction between feeding rate and season affects fertility of sows, 39 (1995) 275

**Semen characteristics**

Semen characteristics and production of germ cells in male sheep-goat chimeras, 40 (1995) 31

**Semen diluents**

Development of a chemically defined ram semen diluent (RSD-1), 37 (1995) 143

**Semen quality**

The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram, 37 (1995) 299

**Seminal plasma**

Spectrophotometric measurement of aspartate aminotransferase activity in mammalian and fish semen, 38 (1995) 167

**Sex determination**

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321

**Sexual behaviour**

Influence of the postpartum day on plasma, estradiol-17 $\beta$  levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits, 38 (1995) 331

**Sheep**

Effect of the Booroola gene on time of ovulation and ovulatory dynamics, 37 (1994) 7

Adrenocorticotrophin (ACTH) 1-39 and corticotrophin releasing hormone (CRH) induced changes in luteinizing hormone secretion from perfused ovine pituitaries, 37 (1994) 25

Arena behaviour of ewes selected for superior mothering ability differs from that of unselected ewes, 37 (1995) 133

Development of a chemically defined ram semen diluent (RSD-1), 37 (1995) 143

The effect of ruminal starch degradability in the diet of Booroola crossbred ewes on induced ovulation rate and prolificacy, 38 (1995) 97

Dose-response relationships of exogenous progesterone shortly after ovulation on estrous cycle length, blastocyst development and fertility in sheep, 38 (1995) 109

Dietary-induced suppression of pre-ovulatory progesterone concentrations in superovulated ewes impairs the subsequent in vivo and in vitro development of their ova, 39 (1995) 89

Superovulatory response of Chios sheep to PMSG during spring and autumn, 39 (1995) 215

Effects of progesterone and estradiol on prostaglandin endoperoxide synthase in ovine endometrial tissue, 40 (1995) 17

Superovulation and recovery of zygotes suitable for microinjection in different breeds of sheep, 40 (1995) 215

Dietary protein or energy restriction influences age and weight at puberty in ewe lambs, 40 (1995) 229

**Sheep - embryology**

Donor and recipient ewe factors affecting in vitro development and post-transfer survival of cultured sheep embryos, 40 (1995) 269

**Sheep - endocrinology**

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxine, triiodothyronine, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

Oestradiol and the preovulatory surges of luteinising hormone and follicle stimulating hormone in ewes during the breeding season and transition into anoestrus, 40 (1995) 291

**Sheep-goat**

Semen characteristics and production of germ cells in male sheep-goat chimeras, 40 (1995) 31

**Sheep - male**

The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram, 37 (1995) 299

**Sheep - male reproduction**

Seasonal variations in testicular morphology in Uruguayan Corriedale rams, 40 (1995) 59

**Sperm**

The effect of optimal and suboptimal concentrations of sperm on the fertility of fresh and frozen bovine semen and a theoretical model to explain the fertility differences, 39 (1995) 1

**Spermatogenesis**

Seasonal variations in testicular morphology in Uruguayan Corriedale rams, 40 (1995) 59

**Spermatozoa**

Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation, 38 (1995) 37

Spectrophotometric measurement of aspartate aminotransferase activity in mammalian and fish semen, 38 (1995) 167

**Sperm viability**

Mitochondrial injury to ram sperm during procedures associated with artificial insemination or frozen storage, 40 (1995) 43

**Sry**

Sex determination in the domestic pig by DNA amplification using the HMG-box sequence, 38 (1995) 321

**Standing reflex**

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

**Steroid hormones**

Gonadotrophin-releasing hormone release in vitro from the stalk median eminence of cyclic and ovariectomized gilts in response to naloxone or morphine, 40 (1995) 151

**Stress**

Adrenocorticotrophin (ACTH) 1-39 and corticotrophin releasing hormone (CRH) induced changes in luteinizing hormone secretion from perfused ovine pituitaries, 37 (1994) 25

**Superovulation**

Characteristics of ovulations in superovulated cattle, 37 (1994) 1

Superovulation of farmed red deer (*Cervus elaphus*) and fallow deer (*Dama dama*): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation, 38 (1995) 137

Ultrasound-monitored ovarian responses in normal and superovulated cattle given exogenous progesterone at different stages of the oestrous cycle, 38 (1995) 187

Plasma progesterone concentration in relation to ovulation rate and embryo yield in Chios ewes superovulated with PMSG, 39 (1995) 11

Embryo recovery from superovulated mouflons (*Ovis gmelini musimon*) and viability after transfer into domestic sheep, 39 (1995) 109

Immunization of goats against recombinant human inhibin  $\alpha$ -subunit: Effects on inhibin binding, mating behaviour, ovarian activity and embryo yield, 39 (1995) 119

Superovulatory response of Chios sheep to PMSG during spring and autumn, 39 (1995) 215

Superovulation and recovery of zygotes suitable for microinjection in different breeds of sheep, 40 (1995) 215

**Swine**

Relationship of length of uterus in prepubertal pigs and number of corpora lutea and fetuses at 30 days of gestation, 38 (1995) 327

**Testicular lesions**

A clinical and ultrasonographic study of induced testicular and epididymal lesions in goats and a ram, 39 (1995) 35

**Testis**

Seasonal variations in testicular morphology in Uruguayan Corriedale rams, 40 (1995) 59

**Testis characteristics**

The comparative effects of undernutrition, exercise and frequency of ejaculation on the size and tone of the testes and on semen quality in the ram, 37 (1995) 299

**Testosterone**

Seasonal variations in testicular morphology in Uruguayan Corriedale rams, 40 (1995) 59

Alterations in plasma luteinising hormone and testosterone concentrations and responses to injection of gonadotrophin-releasing hormone in sheep infected with *Trypanosoma congolense*, 40 (1995) 203

**Theca cells**

Altered ovarian follicle function in ACTH-treated gilts, 40 (1995) 107

**Thyroxin**

Influence of diet and ambient temperature on bovine serum insulin-like growth factor-I and thyroxine: relationships with non-esterified fatty acids, glucose, insulin, luteinizing hormone and progesterone, 37 (1995) 267

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxin, triiodothyronin, oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

**Transmission electron microscopy**

Ultrastructure of in vitro matured bovine oocytes after controlled freezing in 10% glycerol, 37 (1995) 281

**Triiodothyronin**

The effects of long-acting oxytocin, GnRH and FSH administration on thyroxin, triiodothyronin,



oestradiol 17- $\beta$  and progesterone levels as well as conception rates in post-partum ewes, 37 (1995) 311

#### ***Trypanosoma congolense***

Alterations in plasma luteinising hormone and testosterone concentrations and responses to injection of gonadotrophin-releasing hormone in sheep infected with *Trypanosoma congolense*, 40 (1995) 203

#### **Twinning**

Levels of bPSPB throughout single and twin pregnancies after AI or transfer of IVM/IVF cattle embryos, 38 (1995) 279

#### **Ultrasonography**

Ovarian follicular wave emergence after treatment with progestogen and estradiol in cattle, 39 (1995) 193

#### **Ultrasound**

Characteristics of ovulations in superovulated cattle, 37 (1994) 1

Ultrasound-monitored ovarian responses in normal and superovulated cattle given exogenous progesterone at different stages of the oestrous cycle, 38 (1995) 187

A clinical and ultrasonographic study of induced testicular and epididymal lesions in goats and a ram, 39 (1995) 35

#### **Ultrastructure**

Seasonal variations in testicular morphology in Uruguayan Corriedale rams, 40 (1995) 59

#### **Uterine involution**

Factors in the resumption of ovarian activity and uterine involution in postpartum dairy cows, 38 (1995) 203

#### **Uterine length**

Examination of ovulation rate, uterine and fetal interactions, and reproductive age in Chinese Meishan, Yorkshire, and reciprocal cross gilts: effects of fetal and maternal genotypes, 39 (1995) 147

#### **Uterus**

Local increase of steroid hormone concentrations in blood supplying the uterus and oviduct in anaesthetized and conscious gilts, 37 (1994) 35 (1995) 215

Relationship of length of uterus in prepubertal pigs and number of corpora lutea and fetuses at 30 days of gestation, 38 (1995) 327

Effects of progesterone and estradiol on prostaglandin endoperoxide synthase in ovine endometrial tissue, 40 (1995) 17

#### **Vasopressin**

The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig, 38 (1995) 251

Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells, 39 (1995) 81

#### **Vasotocin**

Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells, 39 (1995) 81

#### **Viability**

Effects of slight agitation on the quality of refrigerated boar sperm, 39 (1995) 141

#### **Vulvar symptoms**

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

#### **Weaning**

Cortisol and  $\beta$ -endorphin levels in peripheral circulation around weaning in primiparous sows, 37 (1995) 175

#### **Weaning to oestrous interval**

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

#### **Weight and backfat**

Oestrous symptoms in primiparous sows. 2. Factors influencing the duration and intensity of external oestrous symptoms, 40 (1995) 165

#### **Zebu cattle**

Effect of once-daily suckling on postpartum reproduction in zebu-cross cows in the tropics, 40 (1995) 1

#### **Zygotes**

Superovulation and recovery of zygotes suitable for microinjection in different breeds of sheep, 40